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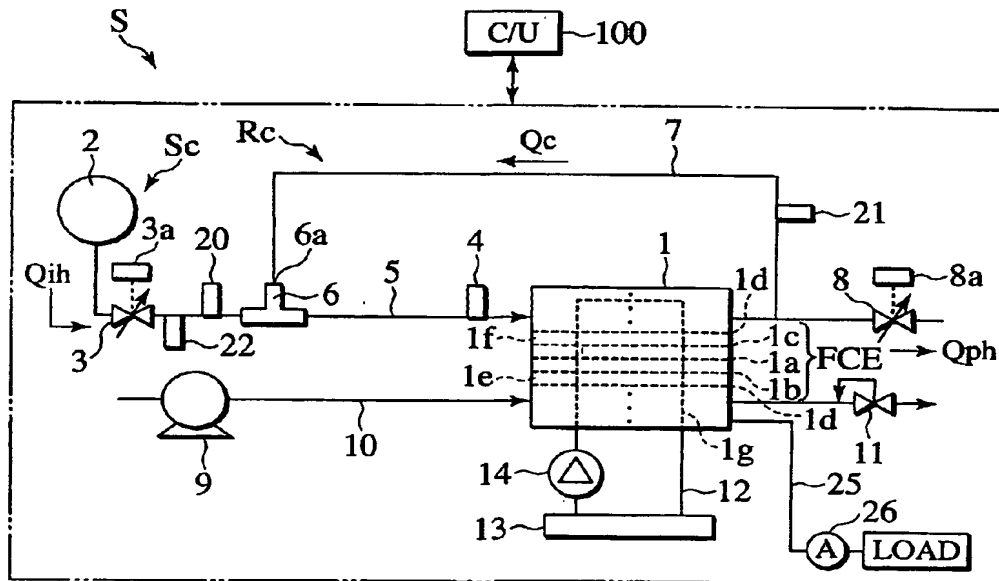
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Yokohama-shi, Kanagawa 221-0023 (JP).(88) Date of publication of the international search report:
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: FUEL CELL SYSTEM



(57) Abstract: A fuel cell system which includes: a fuel cell (1); a supply system (Sc) for supplying fuel gas to the fuel cell (1); a recirculation system (Rc) for recirculating unused fuel gas from the fuel cell (1), in which the fuel gas therein may contain nitrogen; a purge valve (8) for purging nitrogen contained in the fuel gas in the recirculation system (Rc); and a controller (100) for adjusting a valve opening of the purge valve (8) so that a nitrogen concentration of the fuel gas in the recirculation system (Rc) is kept constant.

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INTERNATIONAL SEARCH REPORT

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PCT/JP 03/15455

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01M8/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 018 774 A (AIR LIQUIDE) 12 July 2000 (2000-07-12) column 1, line 24	1
Y	column 4, line 55 - column 5, line 2 column 5, lines 25-30 column 5, line 56 - column 6, line 9 column 6, lines 47-52	2-12
Y	US 2002/022167 A1 (HERRON THOMAS G) 21 February 2002 (2002-02-21) page 2, paragraphs 21,23 - page 3, paragraph 28; claims 1,3	2-12
E	WO 2004/049489 A (NISSAN MOTOR ; KAMIHARA TETSUYA (JP)) 10 June 2004 (2004-06-10) the whole document	1-12
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2002/094467 A1 (KURITA KENJI ET AL) 18 July 2002 (2002-07-18) the whole document -----	1-12

INTERNATIONAL SEARCH REPORT

Information on patent family members

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